

Abstract

A method for pressure-independent temperature determination using a metal diaphragm is provided. A bridge circuit having multiple resistors is provided on this diaphragm. One pair of 5 resistors is near the center of the diaphragm and another pair of resistors is situated at a distance from the center. The resistors are provided on the metal diaphragm in such a way that the tensile elongation of the pair of resistors near the center corresponds in absolute value to compressions of the 10 pair of resistors far from the center.